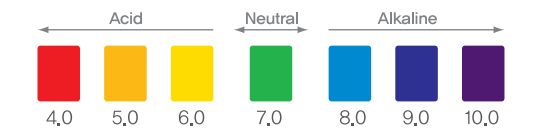
TAEYOUNG E&T
Taeyoung Environment & Technology

http://www.tyentgroup.com

▪ We cannot and do not accept any responsibilities or liabilities if you replace or repair filters or parts with those not manufactured by our company.

▪ This product is subject to slight specification changes without prior notice with the purpose of enhancing product performance.

pH Comparison Chart



▣ Measurement : Catching 10–15 ml of test water and drop 2–3drops reagent. Then, mix well and check color of pH Comparison Chart in comparison with pH of water. (Color depends on water quality and reagent.)

MADE IN KOREA

TYENT WATER IONIZERS

For Rettin units: TY–2507/2505, TY–2507W/2505W, TY–2509BS/2507BS, MMP–9090T/7070T/7070/5050

- Automatic water outflow
- Voice announcements
- CPU embedded, fully automated system
- Replacement cycle display and announcement for filters
- Touch screen with color backlight
- Advanced water purification system
- Electrolytic antibacterial system
- Includes system safety functions
- Adjustable pH levels
- Set–up for system functions
- Automatic cleaning function using RTR method
- Free voltage power using SMPS method (Patent 10–0714055)
- Electric cell of ionizer (Utility Model registration 0432220)

TY–2507/2505

TY–2507W/2505W

TY–2509BS/2505BS

MMP–9090T/7070T/7070/5050

User Manual

The Warranty is attached to this User Manual

- This product is intended for domestic use only.
- Keep manual handy for easy reference.
- Carefully read User Manual, particularly "Safety Warnings"

TABLE OF CONTENTS

To Our Customers

Thank you for purchasing the **TYENT water ionizer**.

- Make sure to carefully read this manual to ensure proper use of product.
- If you have any inquiries during use, be sure to consult this manual.
- We assume no responsibilities for any accidents arising from the improper use of this product as specified in the manual.
- Keep the manual and warranty in a safe and handy place for easy reference.

Tabel of Contents 1
Precautions before Use 2
Safety Precautions 3
Product Features 9
Designation of Product Parts 11
LCD Control Panel Display Features 13
Contents 15
Installation Directions 16
Directions for Product Use 19
Step-by-Step Directions for Product Use 21
Regarding Medicinal Substance 25
Alkaline Water Application / Usage 26
Filter Configuration 27
Filter Replacement 29
Method of Use for the TURBO 31
Product Configuration 32
Product Specifications 33
Troubleshooting 36
Product Warranty 38

PRECAUTIONS BEFORE USE

If you are a first-time drinker, drink purified water first (H2O). Graduate from lower level pH water to higher levels at a slow rate.

Don't take medicine with alkaline water. When taking medicine, use purified, filtered water (H2O).

A person who suffers from achlorhydria should not drink alkaline water. Use alkaline water according to your doctor's advice.

Achlorhydria is an abnormal deficiency of or absence of free hydrochloric acid in the gastric juice, often associated with severe anemia and stomach cancer.

A person who falls under one of the following categories should consult his/her doctor or pharmacist prior to taking alkaline water.

- Carriers of chronic disease.
- Those with bowel or liver disorders.
- Those under direct care of a doctor.
- Those taking doctor-prescribed medications.

It is recommended that you use tap water as source water (raw water).
DO NOT use well water without first consulting the Service Center, as this could void the warranty.

SAFETY PRECAUTIONS

Please familiarize yourself with the following safety precautions in order to prevent possible damage or unexpected danger.

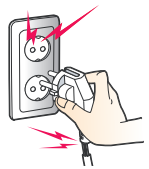
The "DANGER" sign indicates an imminent hazard that, if not avoided, will result in serious injury or death.

The "WARNING" sign indicates a potential hazard that, if not avoided, will result in significant injury to the body or damage to property.

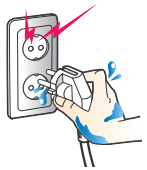
The "ATTENTION" sign indicates a potential hazard that, if not avoided, will result in minor injury to the body or damage to property.

Regarding Power Supply

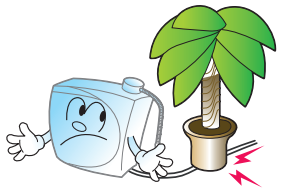
Do not use a damaged power cord or a loose connector. Electric shock or fire could occur.



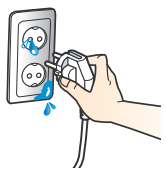
Do not pull the power cord and never touch it with wet hands. Electric shock or fire could occur.



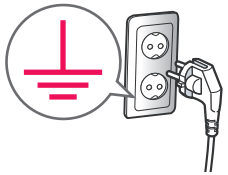
Do not forcibly bend the power cord and make sure the power cord isn't squeezed, damaged or deformed by heavy things. Otherwise, electric shock or fire may occur.



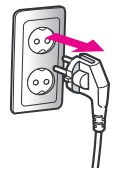
In the event that water gets into the power supply unit, pull the power cord and make it completely dry prior to use. Otherwise, electric shock or fire may occur.



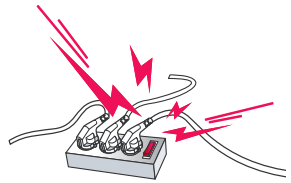
Please always use a grounded power outlet.



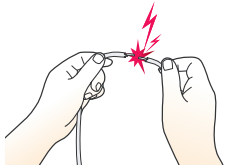
During product repair, inspection, and/or parts replacement, be sure to unplug the power cord. Otherwise, electric shock or fire could occur.



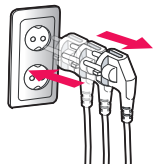
Use a dedicated outlet for each electrical appliance. Otherwise, electric shock or fire could occur.



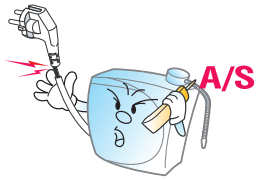
Do not reconnect or splice a defective power cord. Electric shock or fire could occur.



Do not allow the power cord to be plugged in and unplugged repeatly. Otherwise, electric shock or fire may occur.

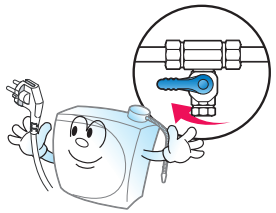


Do not allow the power cord to be plugged and unplugged repeatedly. Electric shock or fire could occur.



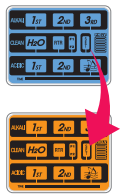
Usage

In the event that source water is not used for a long period of time, lock the source water valve and pull the power cord out. Otherwise, electric shock, fire or leaks may occur.



LCD screen requires ONLY a light touch. Do not poke or scratch the touch screen with any sharp object. Damage to the unit and electric shock could occur.

Using ONLY alkaline water or using ONLY acidic water for a long period of time could cause a lack of performance in the TYENT unit. For best results, alternate between acidic and alkaline water from time to time.



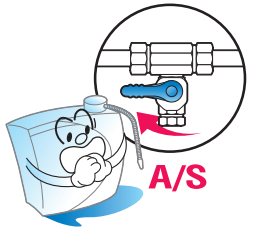
Leaks may occur. During humid weather, some condensation may flow out of the unit. This is normal. However, if this happens too frequently, especially in colder, less humid weather, contact the Service Center.

Usage

Do not place a vessel filled with water, pharmaceuticals, food, or small metals on this unit. If introduced into the unit, it could cause electric shock or fire.

In the event that an abnormal noise, burning smell or smoke is generated from the unit, immediately unplug the power connector and contact the service center. Otherwise, fire could occur.

In the event that water flows from inside the unit or if there is water present around the unit, lock the source water valve, pull out the power cord, and contact the service center.



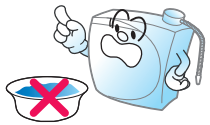
Replace filters every six months to ensure optimal results even if filter replacement indicator lamp is not on.

Cleaning

Leaks may occur. During humid weather, some condensation may flow out of the unit. This is normal. However, if this happens too frequently, especially in colder, less humid weather, contact the Service Center.

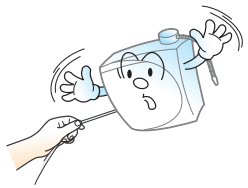
Keep cord dust-free.

LCD may be cleaned with a damp cloth. Do NOT clean body of unit with wet or damp cloth. Do NOT spray liquid onto main body of unit. Electric shock or short circuit could occur.

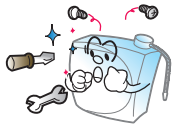


Others

When moving unit, be sure not to drag the power cord. This could cause electric shock.



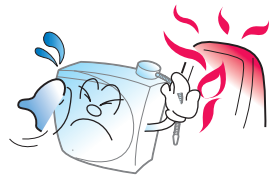
Do not disassemble unit. This can cause electric shock and damage to the unit.



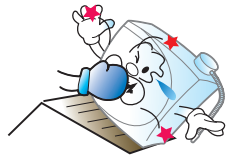
Use purified or filtered water (H2O setting) to supply fish bowls and aquariums. Do NOT use either alkaline or acidic water as this could cause death to the fish.

Installation

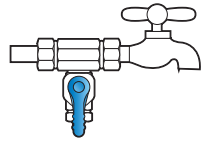
Do not install this product near heat appliances. Never place a cigarette or candlelight on this product. Otherwise, fire may occur.



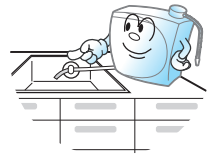
Do not install this product at a sloped location and do not apply excessive force or impact to this product. This may cause physical injuries and damage to the product.



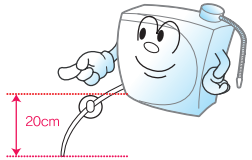
Do not connect raw water to the hot water supply line. Otherwise, a failure or accident may occur.



Install this product around the sink and always allow water to be drained into the sink

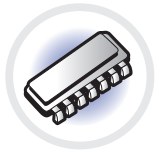


Install the acidic water outlet hose below the unit. Otherwise, product perfor-mance can be degraded and residual water may remain non-extracted.



PRODUCT FEATURES

This TYENT product features highly advanced technology and an elegant design, providing ease of operation and excellent performance.



CPU embedded, fully automated system

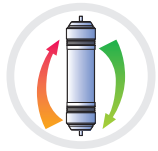
Every motion of an apparatus for producing electrolytic water is controlled by a semiconductor CPU which automatically finds an optimal operating condition using flow rates and water quality.

Automatic water outflow

Lightly pressing the touch button allows you to extract water or stop the flow of water.

Voice Announcement

Voice announcements for different functions and safety warning voice announcements ensure safe and convenient use.

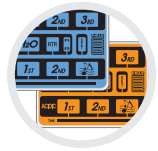


Filter Replacement Cycle Display & Announcement

Voice announcement and LCD icons inform user when filters should be replaced.

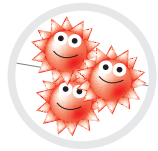
Neat and Elegant Design

This product uses a compact and attractive design that integrates nicely into the home.



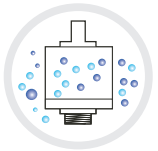
Touch Screen, RGB Color Back Light

The RGB color backlight on the touch screen allows you to distinguish alkaline water from acidic water.



Electrolytic antibacterial system

The energy generated when extracting targeted water inhibits growth of microorganisms. Automatic cleaning helps maintain optimal conditions.



Advanced water purifying filter system

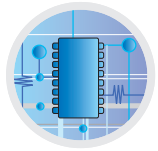
The high-performance primary filler and functional secondary filter provide optimal purifying conditions of tap water.

Automatic Safety Diagnostic Function

Alter the installation of the TYENT unit, a safety diagnostic procedure follows to check performance. Voice announcements note when unacceptable conditions arise.

Automatic Extraction/Stop Function

5 minutes alter the function is selected. Water outflow is stopped to prevent overflow.



SMPS Type Power Supply

CPU monitors the power supplied to different areas ensuring stable usage.

Safety Functions

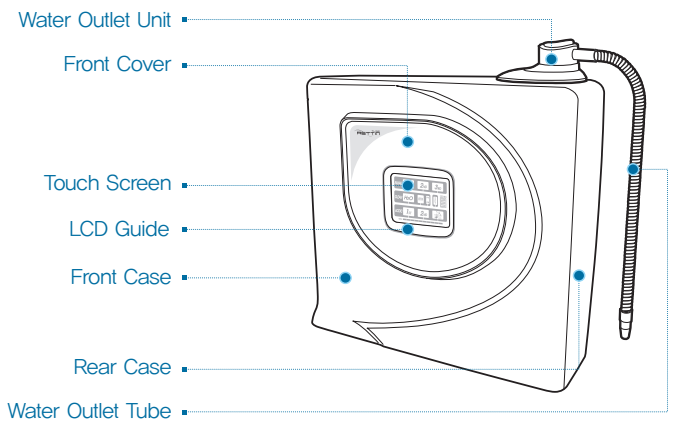
- In the event of suspension of water supply, a warning message is issued prior to stopping water outflow.
- This function prevents the electrolytic cell and power supply from being damaged due to over-current within the electrolytic cell.
- This function allows water outflow to stop automatically to prevent water from being wasted and to prevent water leakage.
- This function allows you to set pH and ORP levels according to the amount of water inflow.
- This function allows you to distinguish pH from backlight colors.
- Auto cleaning function.
- Voice announcement function.

DESIGNATIONS BY PRODUCT PARTS

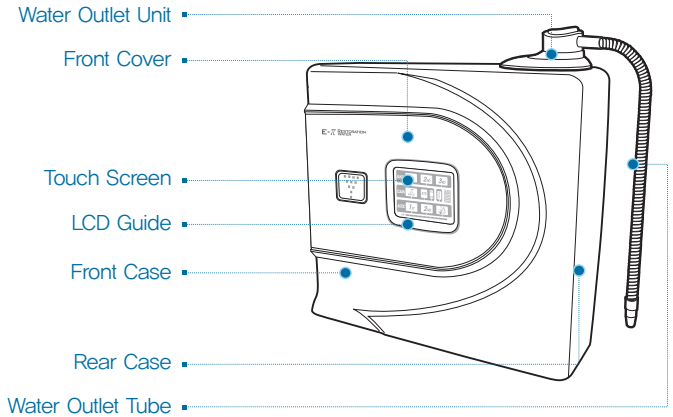
Make sure to be familiar with designations for different product parts, and carefully read operating directions and other information.

Front View

Model: TY series

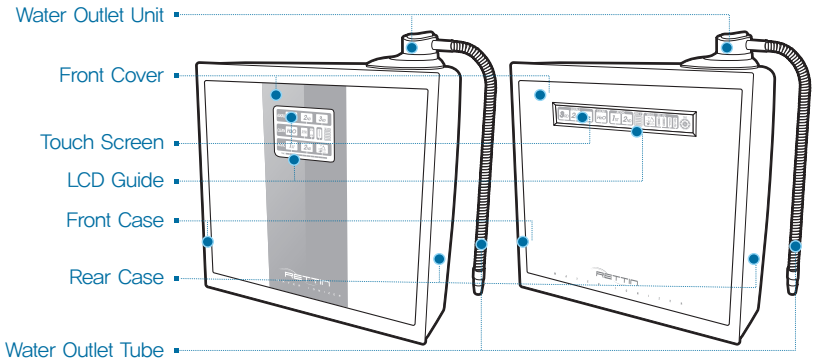


Model: TYW series

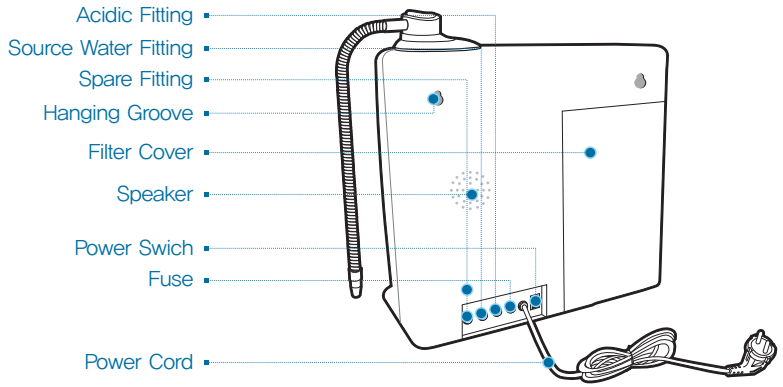


Front View

Model: TY–BS series / MMP series



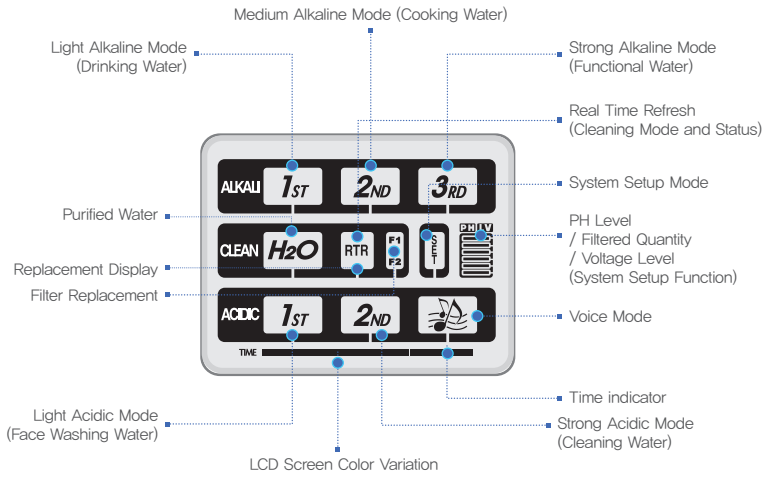
Rear View



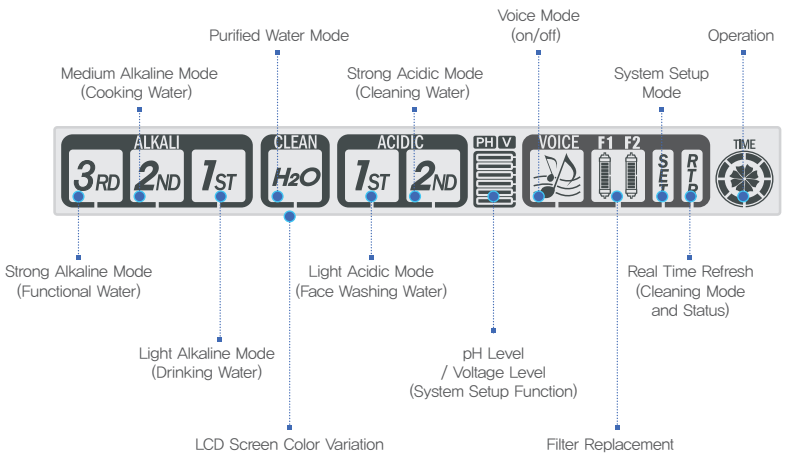
DESIGNATIONS BY PRODUCT PARTS

LCD CONTROL PANEL FEATURES

TY seires

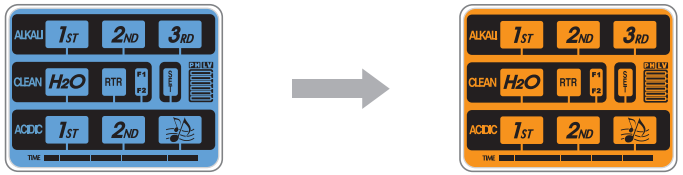

Medium Alkaline Mode (Cooking Water)
Light Alkaline Mode (Drinking Water)
Strong Alkaline Mode (Functional Water)
Real Time Refresh (Cleaning Mode and Status)
System Setup Mode
Purified Water
PH Level / Filtered Quantity / Voltage Level (System Setup Function)
Replacement Display
Filter Replacement
Voice Mode
Time indicator
Light Acidic Mode (Face Washing Water)
Strong Acidic Mode (Cleaning Water)
LCD Screen Color Variation
ALKALI 1ST 2ND 3RD
CLEAN H2O RTR F1 F2 SET PH V
ACIDIC 1ST 2ND
TIME

MMP seires



Notice

■TY Series : If the alkaline water (drinking water, cooking water and functional water) and purified water (H2O) icons are selected, the blue backlight is turned on. If the acidic water (face washing water and cleaning water) is selected, the yellow backlight is turned on. The yellow backlight notifies you to avoid drinking acidic water.



▶Drinkable
(Alkaline Water & Purified Water)
Blue Backlight

▶Non–Drinkable
(Acidic Water & Cleaning Water)
Yellow Backlight

■MMP Series : When Alkaline Water (1, 2 & 3), Purified Water (H20) and Acidic Water (1 & 2) icons are selected, backlight colors are as follows :

▶Drinkable Green Backlight
(Purified Water, H2O)

▶Drinkable Blue/Green Backlight
(Alkaline Water 1)

▶Drinkable Blue Backlight
(Alkaline Water 2)

▶Drinkable Violet Backlight
(Alkaline Water 3)

▶Non– Drinkable
Yellow Backlight (Acidic Water 1)

▶Non– Drinkable
Red Backlight (Acidic Water 2)

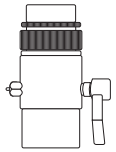
▶Non– Drinkable
Red / Violet Backlight
(Cleaning Water)

LCD CONTROL PANEL FEATURES

CONTENTS

Prior to installation, be sure to check the following fittings:

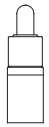
▶Water Outlet Tube
▶Q' TY : 1



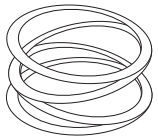
▶Faucet Diverter
▶Q' TY : 1

▶Elbow Fittings
▶Q' TY : 2

▶Suction Cups
▶Q' TY : 2



▶pH Reagent Bottle
▶Q' TY : 1



▶Hose / Tubing
▶Q' TY : 1 (2.5 m)

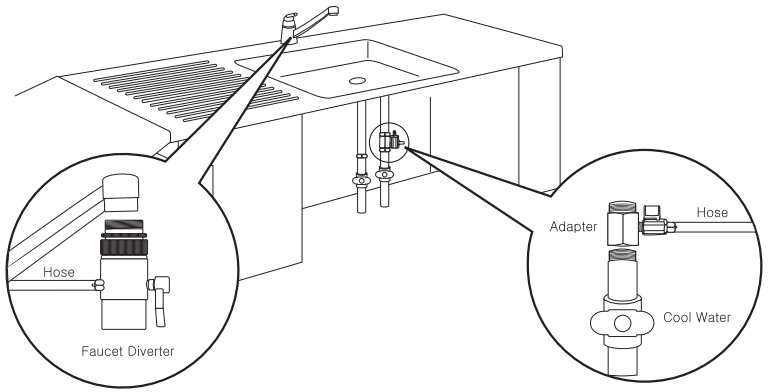
The Others

▶User Manual 1EA

※ To make the best functionality, there may be a some changes without notices.

INSTALLATION DIRECTIONS

One TYENT User Manual, TYENT unit, and assorted items listed below:



A. Desk B. Under Sink

Under Sink Installation

Note: "T" adapter is required for under sink installation. (Not included.)

1. Lock the main valve on the water pipe.
2. Separate the tap from the water pipe.
3. Turn the adapter to fit into the water pipe.
4. Assemble the tap back into the adapter.
5. Connect the valve to the adapter before connecting the water inlet hose to the nipple.

Attaching Hose to Faucet

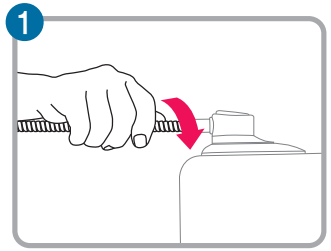
1. Remove aerator from faucet tip.
2. Select the appropriate adapter from the assortment provided.
3. Replace original aerator with adapter.
4. Attach hose to faucet diverter. (This hose should come from the source water connection on the back of the unit.

INSTALLATION DIRECTIONS

Before the installation, make sure to check the following fittings:

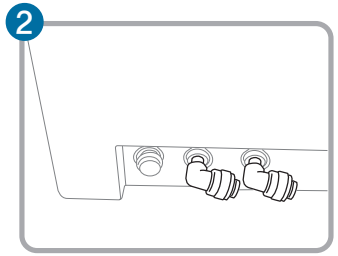
Product Installation Procedure

1



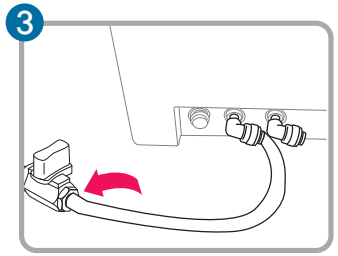
Place the TYENT unit in its permanent location. Screw metal outlet tube clock wise to attach to the top of the unit.

2



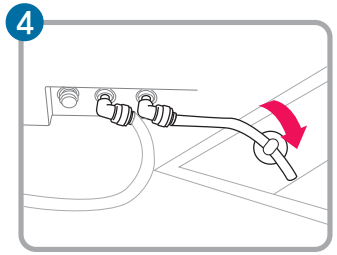
Tubing attaches to inlet and outlet ports in back of unit. Tubing may attach directly, or elbows may be used.
PLEASE NOTE: When removing tubing or elbows, be sure to push back on small gray flanges located at the outer edge of ports and elbows. Damage can occur if not removed properly!

3



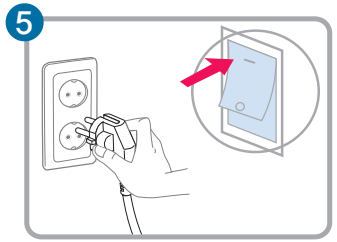
Attach tubing to the inlet port. (Attach either directly or by using elbow.) Measure the distance between inlet port and the point where adapter hooks into faucet apparatus. (Make sure to allow sufficient length for stabilization of tubing.) Cut tubing.

4



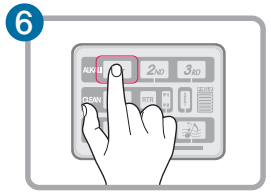
Suction cup holder may be used for stabilization

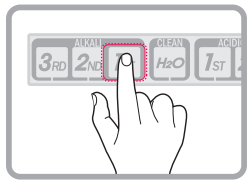
5



Plug unit into the electrical outlet.
When unit comes on, a melody will sound.

6





When water function is selected, automatic cleaning will be performed for approximately 15 seconds. (A melody will sound during this process.)
After cleaning is complete, the water level you pressed will engage.

※ please refer to Product operation Method.

⚠ Attention

In the event of a power failure

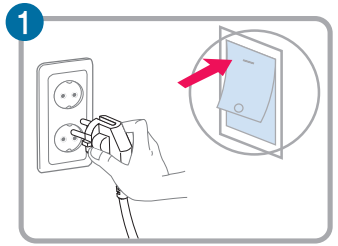
Remove the power cord from electrical socket and shut off source water valve.

DIRECTIONS FOR PEODUCT USE

After installation, make sure to be well familiar with the operating method.

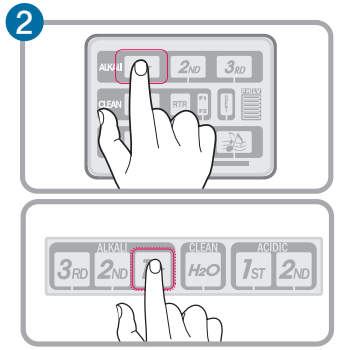
Initial Stage Installation

1



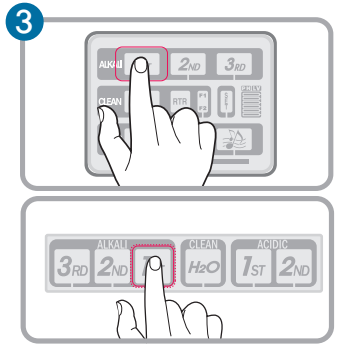
When the unit is installed and power is applied,it will be in the water purifying mode (H20 mode). Melody will be played and backlight will blink.

2



An initial automatic cleaning will occur the first time a water mode is selected. This procedure will last approximately 15 seconds. After the cleaning, the water mode selected will be dispensed. A distinct melody will be heard during this process.

3

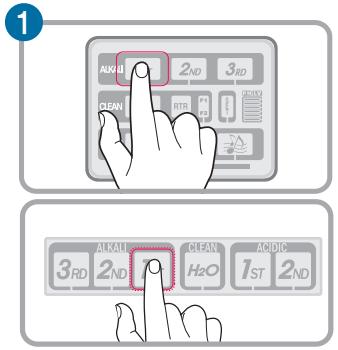


To stop flow, simply push the same button again.

⚠ Note: A voice announcement saying "**It's under washing**" will occasionally occur, followed by a melody, as the unit automatically cleans itself at the appropriate times. This is normal. After the 15–minute cleaning, the water selected will be dispensed.

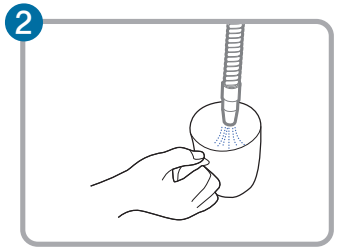
Function Selection

1



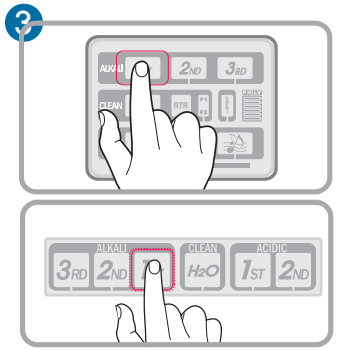
Select desired water mode.
(Light Alkaline Water)

2



WATER OUTFLOW
The selected icon flickers during water outflow. If the selected icon is not pressed again, the unit will automatically stop after five minutes of water outflow.

3



WATER OUTFLOW STOP
Lightly touch the blinking icon again to stop water flow.

⚠ Note: Remember, a LIGHT TOUCH is all that is required when pressing the LCD.

STEP-BY-STEP DIRECTIONS FOR PRODUCT USE

The method for using this product is divided into several procedures according to pH levels.
Make sure to be well familiar with it since the functions for differents stages are quite different.

1ST **Light Alkaline Water** - Drinking Water
Suitable for those just starting to drink alkaline water. Also, suitable for cooking.

2ND **Medium Alkaline Water** - Cooking Water
Suitable for middle-stage drinkers. Also, suitable for cooking, floriculture, tea brewing (No boiling necessary), and cooking rice.

3RD **Strong Alkaline Water** - Functional Water
Suitable for end-stage drinkers. Suitable for cooking. The high alkalinity brings out the color in cooked vegetables, makes wonderful rice and cold water tea. It is great for rinsing fresh fruits and vegetables as it helps remove pesticides and wax : and reduces fruit browning.

! Cleansing Reaction
Please note that alkaline water is absorbed much more readily than what you are used to drinking. Therefore it has the ability to remove waste from the body much more efficiently than you may be used to. Evacuation of toxins, through bowel movements, urination and perspiration, is a normal reaction to cleansing the body and the recovery of health.

H2O **Purified Water** - Drinking Water
This is purified water. It has the same pH as your tap water. You should take medication with this water only.

1ST **Light Acidic Water** - Face washing water
Non-Drinkable
This level most matches the pH on the outside of the body. Therefore it is great for washing the skin and shaving: and since it has anti-bacterial properties it is good for cleansing wounds. Don't forget pets. It's great for washing the dog.

2ND **Strong Acidic Water** - Cleaning water
Non-Drinkable
This water has strong anti-bacterial properties. It is great for cleaning kitchen counters, dish cloths and sponges and rinsing dishes. It also may be used to clean the bathroom.

Voice Announcement
Main product features and motions are notified by voice announcements. Pressing the voice icon allows you to operate and release the voice announcement function.

SET **System Set-up Function**
Ionizer adjustments and filter initializing

Volume Control

- Change to the system setting mode by pressing the SET icon on the LCD for three seconds. The backlight will be amber on the TY series. It will be white on the MMP series. Voice message will say "**System setup mode**".
- When the voice icon (volume control) is pressed for 1.5 seconds, a melody sounds and the voice icon blinks. Press F1 to raise volume. Press F2 to lower volume.
- Voice announcement, whenever F1 or F2 is pressed, will say, "**Voice function works**" It will be announced with a changed voice volume. Volume level is indicated on status display icon.
- When the desired volume is obtained, lightly press and hold blinking voice button for two beeps. It will say, "**Setup was completed**". Then press and hold set button for two beeps. It will again say, "**Setup was completed**". Back light will be blue on TY series and green on MMP series. Voice message will say "**Setup was completed**".

Adjusting Power Mode

- Start at the green screen.
- Hold down the SET button until it beeps two times; then let go. At this point the screen should turn gray and the voice will say "**System setup mode**" If not, repeat this step until it turns gray.
- Hold down the button of the level that you want to adjust(Let's use Alkaline level 3), until it beeps twice, then let go. Voice will say "**Functional water**(Alkaline level 3)" and the button should be flashing. If not, repeat this step.
- Locate the F1 and F2 buttons (pictures of filters). To increase the power press F1. To decrease power, press F2. You will see the levels increase or decrease on the status icon.
- Hold down the "**Alkaline number 3**" button for two beeps. Button should stop flashing and bars on status icon should drop back down. Voice will say "**Setup was completed**".
- Hold down the SET button again for two beeps. Voice will say, "**Setup was completed**" Screen should turn green again. If not, repeat until screen is green.

STEP-BY-STEP DIRECTIONS FOR PRODUCT USE

STEP-BY-STEP DIRECTIONS FOR PRODUCT USE

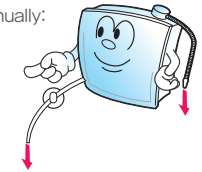
The method for using this product is divided into several procedures according to pH levels.
Make sure to be well familiar with it since the functions for differents stages are quite different.

[Model : TY series]

[Model : MMP series]

Cleaning Your TYENT unit

Cleaning takes place automatically and/or manually:



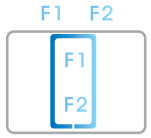
- **Auto Cleaning Function** (15 Seconds)
- Performed during water outflow after more than 12 hours of non-operation.
- Performed after 30 liters of water outflow.
- Performed each time power is turned on.

※Note: Cleaning icon and backlight will flicker before automatic cleaning is performed.

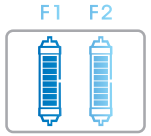
- **Manual Cleaning Function** (15 Seconds)
- User may manually clean unit whenever desired. Simply touch RTR icon. (Real Time Refresh)

※Note: Should you wish to discontinue cleaning during the process, simply touch the RTR icon again.

⚠ Do not attempt to drink water discharged during the cleaning process!



[Model : TY series]



[Model : MMP series]

Filter Replacement Alarms

F1: 1st Filter – F2: 2nd Filter

※The scale inside the filter icon shows the usage level of the filter.

Alarm 1: Flashing of F1 or F2 on the filters.
Alarm 2: A voice message saying "Please exchange filters."

⚠ **Attention:** Do not neglect filter replacement as this could affect water quality. Recommended filter replacement is every 3,600 liters.

Status Display Icon

- Alkaline pH level Display: Indicates pH levels.
- Voltage Level Display (System Setting Function): Indicates pH and volume levels.

Time Indicator

- Time indicator engages for 15 seconds during cleaning cycle.
- Time indicator engages during water extraction, with an automatic shut-off after 5 minutes. This is a built-in safety mechanism.

Water Outflow Display Icon

Shows water production status.

Shows projected end-time for five minutes cycle.

STEP-BY-STEP DIRECTIONS FOR PRODUCT USE

REGARDING MEDICINAL SUBSTANCE

Make sure to be well familiar with storage and special usage to enjoy better effects in your daily life.

Directions for Alkaline Water Storage

Glass and plastic continers may be used to store alkaline water. Metal vessels are subject to corrosion.

For best results with stored alkaline water, store in an airtight container in the refrigerator. For the highest quality of alkaline water, drink it within one day. However some benefits can be derived for up to three days.

Directions for Alkaline Water Application

Drink 2–3 cups of alkaline water per day. If no negative symptoms are experienced, a higher pH may slowly be incorporated.

Occasionally a first–time drinker may notice an unusual smell associated with the alkaline water. It has been described as a smell similar to disinfectant by some and a smell similar to soil by others. Some have actually experienced nausea. Although this is rare, be assured that the water is safe to drink and is healthy. You will quickly adjust to the unique properties of the alkaline water.

Special Uses for Acidic Water

- **Hand and face washing:** If you have your hands in and out of water a lot during the day, the neutral pH of most tap water, along with the use of soap can dry and age the skin. Using acidic water disinfects and nourishes the skin. It has astringent properties as well and can help prevent acne.
- **Hair Washing:** The astringent properties of acidic water will neutralize the soap residue on the hair. Your hair will have a high polish.
- **Shaving:** Using acidic water during and after shaving will have disinfectant and astringent effects with no discomfort.
- **For Use in the mouth:** Massage gums with acidic water to sooth inflammation from teething or mouth sores. Gargle with it to help with a sore throat.
- **For disinfecting the kitchen:** Use to wash down countertops, cutting boards and utensils to kill bacteria.
- **Disinfecting and healing the skin:** The pH of the skin is acidic; therefore, the use of acidic water on the exterior of the body has a healing effect. The acidic water has disinfectant properties as well as styptic properties. Cuts and burns will heal faster if cleaned with acidic water. A poultice soaked in acidic water may also be used for boils and other skin eruptions.
- **Flower enhancement:** Acidic water extends the life of cut flowers.

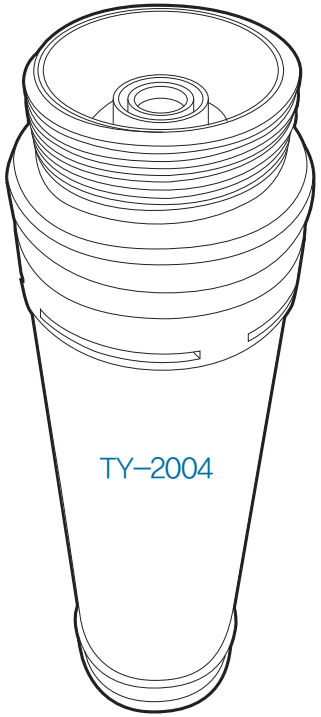
Special Alkaline Water Uses

- **Cooking Rice:** Makes great rice! First wash rice with acidic water. Then soak it in alkaline water for 30 to 60 minutes. When the rice is completely cooked, it becomes nice tasting rice with a good polish similar to cooked glutinous rice. Rice cooked in alkaline water also remains fresh for a longer period of time.
- **Making Coffee and Tea:** Alkaline water makes wonderful coffee and tea. It takes away the acidity and leaves the fine aroma and taste.
  Tea may be made in room temperature alkaline water.
- **As an Emulsifier:** It breaks down fat and removes odor. It is good to soak meats in alkaline water to remove the smells of fat and fish. Soak meats and fish for 20–30 minutes.
- **Fresher Fruits and Vegetables:** Great for cleaning fresh fruits and vegetables in the alkaline water as it takes off the wax and pesticide sometime left on the surface. It also preserves the fruit / vegetables for a longer period of time.
- **Help with Hangovers:** Reduce unpleasant after effects of overeating / over drinking by drinking alkaline water before going to sleep and/or on an empty stomach first thing in the morning.
- **For refreshment:** Try an alkaline water ice cocktail. It is soft, smooth and thirst–quenching.
- **For treating animal parasites:** Parasites cannot thrive in an alkaline environment. Alkaline water is super hydrating and it helps the body purge and heal faster.
- **Flower enhancement:** Acidic water extends the life of cut flowers.

FILTER CONFIGURATION

This product is composed of a high-performance purifying filter and an advanced control device.
It delivers reliability due to stringent system control and manufacturing.

ATTENTION: The consumer accepts any and all responsibility and/or liability if replacement filters and/or parts are not manufacturer specific. This unit contains high-performance purifying filters and an advanced control system.



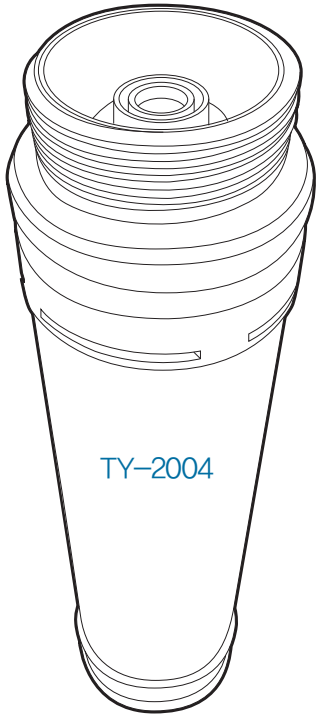
1st Filter

Recommended filter replacement cycle:
951.0 gallons (3,600 L) /
Every 6 months

Removes harmful chemicals like chlorine and compounds like agrichemicals, detergents, large suspended matter like rust, sediments, and other volatile organic compounds efficiently via activated absorption method. It also eliminates bad smells and the remaining chlorine dissolved in the water.

Note: Life of filter can vary greatly due to usage, water pressure, water quality and seasons. Filter has to be replaced sooner than scheduled time when water quantity reduces greatly or quality is reduced.

ATTENTION: The consumer accepts any and all responsibility and/or liability if replacement filters and/or parts are not manufacturer specific. This unit contains high-performance purifying filters and an advanced control system.



2nd Filter

Recommended filter replacement cycle:
951.0 gallons (3,600 L) /
Every 6 months

This filter rich in inorganic minerals provides excellent heat conductivity, and facilitates dissolution of nutrients there by speeding up metabolism. Removes various smells from water and make water tasty.

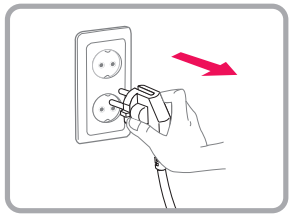
Note: Life of filter can vary greatly due to usage, water pressure, water quality and seasons. Filter has to be replaced sooner than scheduled time when water quantity reduces greatly or quality is reduced.

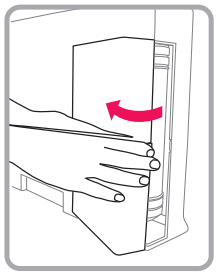
FILTER REPLACEMENT

Replace filters according to the filter replacement cycle notified by the voice announcement.
Delay in filter replacement can cause the product to function improperly.

- Replace filters when notified by the voice announcement or when there is a noticeable change in water taste.
- Delay in filter replacement can cause the product to function improperly.

1 Unplug the power cord to ensure safety.



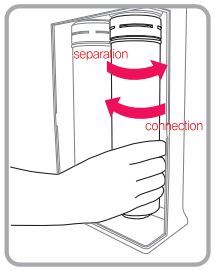


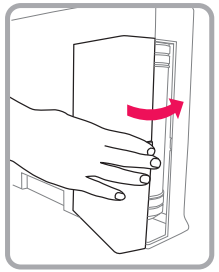
2 Open the filter cover.

Note: Occasionally a unit will have some sharp edges. Be mindful of this to prevent scratches when removing filters.

3 Turn filter counter clockwise for separation.

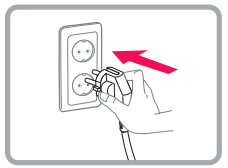
4 Turn filter clockwise for connection.





5 Close the filter cover.

Please note power cord location when reconnecting filter cover so that it does not get caught. This will prevent damage to the unit.

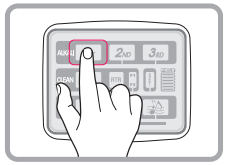


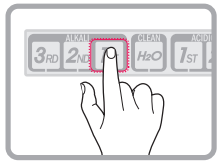
6 Plug in the power cord.

7 Initiate the filter you intend to replace in the System Setup Mode.

Setting Filter Reset Mode

- Replace the target filter.
- Press the system setup icon for 3 seconds. A voice message will say "System setup mode".
- After replacing the filter, press the F1 icon continuously twice. A voice announcement will say "1st filter/ initializing was performed". (Quantity Filtered Reset)
- Next, press the F2 icon continuously twice. A voice announcement will say "2nd filter / initializing was performed". (Quantity Filtered Reset)
- Unless the quantity filtered is reset, the corresponding filter replacement message keeps responding.
- Press the system setup icon for 3 seconds. A voice message will say "Setup was completed".
- The water outflow selection mode is available for operation.



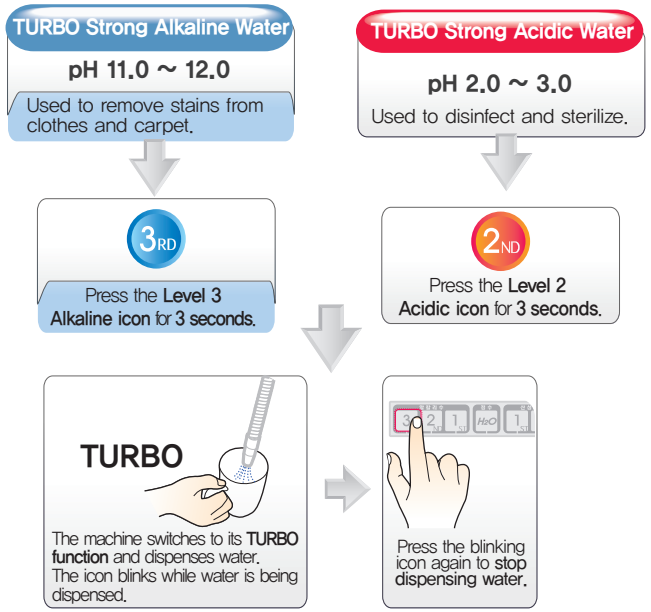


8 The functional water selected comes out of the water outlet.

METHOD OF USE FOR THE TURBO

[Model : MMP-7070T / 9090T]

The TURBO function allows you to create strong alkaline and strong acidic water. These types of waters are ONLY to be used for cleaning, sanitizing, and disinfecting purposes. Never drink these types of waters.


TURBO Strong Alkaline Water
pH 11.0 ~ 12.0
Used to remove stains from clothes and carpet.
TURBO Strong Acidic Water
pH 2.0 ~ 3.0
Used to disinfect and sterilize.
3RD
Press the Level 3 Alkaline icon for 3 seconds.
2ND
Press the Level 2 Acidic icon for 3 seconds.
TURBO
The machine switches to its TURBO function and dispenses water. The icon blinks while water is being dispensed.
Press the blinking icon again to stop dispensing water.

※ While operating the TURBO function, the machine will automatically stop dispensing water after 5 minutes. This feature prevents accidental overflow or flooding.

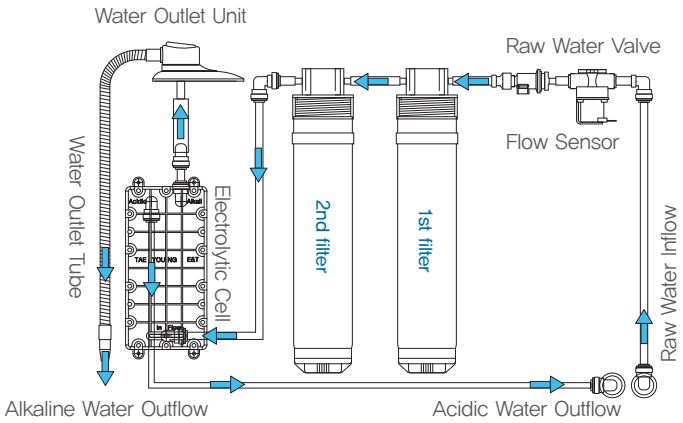
Caution

1. The water produced in the TURBO modes is not intended for drinking. Never drink these types of waters.
2. Do not use the TURBO function for purposes other than those indicated on this card.

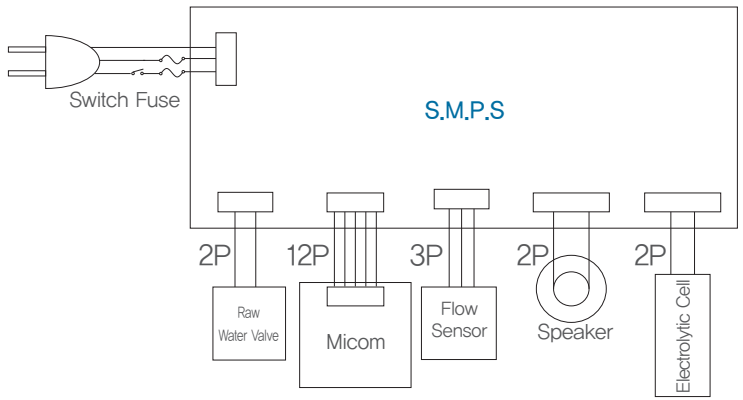
PRODUCT CONFIGURATION

This product is composed of high-performance purifying fitters and an advanced control device. It delivers reliability due to stringent system control and manufacturing.

Water Pipe Diagram



Electrical Wiring Diagram



PRODUCT SPECIFICATIONS

Product Name	Water Ionizer
Model Number	MMP-9090T / MMP-7070T
Purifying Mode	TM Filtration Mode
Rated Power	AC 100V ~ AC130V, AC 200~AC 240V / 50Hz~60Hz
Power Consumption	Max 150W
Available temperature	39 ~ 95 F (4 ~ 35 C)
Operating Pressure Range	0.1 ~ 0.5MPa
pH Levels	3 Alkaline, 1 Neutral, 2 Acidic, Turbo
Adjustable pH	User adjustable pH levels control
Filters Configuration	2 Filters System
Filter Life Display	LCD filter replacement display and voice announcement
Electrolytic Cell Quantity of Poles	9 / 7
Water Cell Plate Materials	Platinum and Titanium
Product Size	400mm(W) x 116mm(D) X 415.74mm(H)
Product Weight	5.5kg

PRODUCT SPECIFICATIONS

Product Name	Water Ionizer
Model Number	MMP-7070 / MMP-5050
Purifying Mode	TM Filtration Mode
Rated Power	AC 100V ~ AC130V, AC 200~AC 240V / 50Hz~60Hz
Power Consumption	Max 150W
Available temperature	39 ~ 95 F (4 ~ 35 C)
Operating Pressure Range	0.1 ~ 0.5MPa
pH Levels	3 Alkaline, 1 Neutral, 2 Acidic
Adjustable pH	User adjustable pH levels control
Filters Configuration	2 Filters System
Filter Life Display	LCD filter replacement display and voice announcement
Electrolytic Cell Quantity of Poles	7 / 5
Water Cell Plate Materials	Platinum and Titanium
Product Size	400mm(W) x 116mm(D) X 415.74mm(H)
Product Weight	5.5kg

Product Name	Water Ionizer
Model Number	TY-2509BS / TY-2507BS
Purifying Mode	TM Filtration Mode
Rated Power	AC 100V ~ AC130V, AC 200~AC 240V / 50Hz~60Hz
Power Consumption	Max 150W
Available temperature	39 ~ 95 F (4 ~ 35 C)
Operating Pressure Range	0.1 ~ 0.5MPa
pH Levels	3 Alkaline, 1 Neutral, 2 Acidic
Adjustable pH	User adjustable pH levels control
Filters Configuration	2 Filters System
Filter Life Display	LCD filter replacement display and voice announcement
Electrolytic Cell Quantity of Poles	9 / 7
Water Cell Plate Materials	Platinum and Titanium
Product Size	400mm(W)×116mm(D)×415.74mm(H)
Product Weight	5.65kg

PRODUCT SPECIFICATIONS

Product Name	Water Ionizer
Model Number	TY–2507W / TY–2505W
Purifying Mode	TM Filtration Mode
Rated Power	AC 100V ~ AC130V, AC 200~AC 240V / 50Hz~60Hz
Power Consumption	Max 150W
Available temperature	39 º –95 º F (4 º –35 º C)
Operating Pressure Range	0.1 ~ 0.5MPa
pH Levels	3 Alkaline, 1 Neutral, 2 Acidic
Adjustable pH	User adjustable pH levels control
Filters Configuration	2 Filters System
Filter Life Display	LCD filter replacement display and voice announcement
Electrolytic Cell Quantity of Poles	7 / 5
Water Cell Plate Materials	Platinum and Titanium
Product Size	398mm(W) x 114.5mm(D) X 415.74mm(H)
Product Weight	5.5kg

Product Name	Water Ionizer
Model Number	TY–2507 / TY–2505
Purifying Mode	TM Filtration Mode
Rated Power	AC 100V ~ AC130V, AC 200~AC 240V / 50Hz~60Hz
Power Consumption	Max 150W
Available temperature	39 º –95 º F (4 º –35 º C)
Operating Pressure Range	0.1 ~ 0.5MPa
pH Levels	3 Alkaline, 1 Neutral, 2 Acidic
Adjustable pH	User adjustable pH levels control
Filters Configuration	2 Filters System
Filter Life Display	LCD filter replacement display and voice announcement
Electrolytic Cell Quantity of Poles	7 / 5
Water Cell Plate Materials	Platinum and Titanium
Product Size	398mm(W) x 114.5mm(D) X 415.74mm(H)
Product Weight	5.5kg

TROUBLESHOOTING

Symptoms	Checkpoints	Measures to be Taken
Abnormal Taste	Check period of use.	Run unit for one minute, draining stagnant water.
	Check filter for replacement time.	Replace filter.
Water Outflow Change	Check if valve on water supply is closed.	Open Valve.
	Check if hose is bent or folded.	Stretch out hose.
	Check if flow rates are low. (less than 1L / min.)	Contact us to install water pump.
	Check if water supply is cut off or if the water supply line is frozen.	Wait until water comes out of the water supply pipe.
	Check filters for clog.	Change filter.
Incorrect pH levels	Check water for solidity.	Water quality varies by region.
	Check flow rates for higher levels.	Reduce amount of raw water.
	Check if amount of drained water is small.	Contact us. Request after–sales service.
Filter replacement icon remains "on" even after filter has been replaced	Check if the filter flow rate is initiated.	Initialize filter flow rate. (System setting mode.) or Request service
Unit stops during use.	Check if the operating time exceeds 5 min.	Unit stops automatically after 5 min.
Unit leaks.	Check filter for proper mounting.	Unplug unit. Contact us.
	Check other areas of unit.	
Settlement in extracted water.	Check for excessive calcium in source water.	Contact us for additional filter.
Only purified water is extracted.	Check if flow rate is low. (1kgf/cm2 or slower.)	Contact us to install a pressurized pump.
	Check if flow rate is high. (5kgf/cm2 or faster.)	
Unit does not operate in cleaning mode.	Check if amount of working water exceeds 30L.	Unit returns to normal mode after a 15 –second cleaning.
	Check if operating time exceeds 12 hrs.	
	Check if operating time exceeds 12 hrs.	

MEMO

Product Warranty

1. This product is warranted for one year (12 months). Any manufacturing defects or spontaneous failures that may occur during the warranty period will be repaired or replaced at no charge.
2. If any failure occurs, please call for service.
3. In the following cases, the customer shall pay repair or replacement costs.
   - In the case where a failure occurs resulting from improper use or negligence by the customer.
   - In the case where repairs or modifications are performed by non-authorized representatives.
   - In the case where a failure due to natural disasters (fires, salt damage, damage from natural gas, earthquakes, floods, lightning, and etc.)
   - In the case of absence of the product warranty or no information is provided in the warranty.
   - Usage other than domestic use.
4. We shall charge the customer for repairs and replacement costs against failures after the warranty period expires.(one year after the date of purchase).
5. Our customers are asked to show their warranty to us when requesting after-sales service.
6. This warranty will not be reissued. Make sure to keep it in a safe place.

Product Name	Water Ionizer		Warranty Period
Model Name ☑	☐ MMP-9090T ☐ MMP-7070 ☐ TY-2509BS ☐ TY-2507W ☐ TY-2507	☐ MMP-7070T ☐ MMP-5050 ☐ TY-2507BS ☐ TY-2505W ☐ TY-2505	One Year from the Date of Purchase [12months]
Date of Purchase			
Customer Name		Customer's Phone	
Customer's Address			
Installation Engibeer Name			

TAEYOUNG E&T
15-2, Pyeongsan-Dong, Yangsan-si, Gyeongsangnam-do, Korea
TEL.82-55-363-6670 FAX.82-55-363-6674
www.tyentgroup.com

We cannot accept any responsibility or liability for errors and/or problems rising from the customer's use of parts that aren't manufactured by our company.